

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>Applicant(s): GANTON et al.</b> <b>Application Serial No.: 10/656,025</b> <b>Filed: September 5, 2003</b> <b>Title: SYSTEM AND METHOD FOR PROTECTING MULTIPLEXED ELEMENTS SHARING A SINGLE ELECTRICAL LINE</b>	<b>Group Art Unit: 2836</b> <b>Examiner: JACKSON, S. W.</b> <b>Conf. No.: 8491</b>
--	--

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir/Madam:

This communication is submitted in response to the Office Action dated September 29, 2006, in the above-referenced patent application. Please enter and consider the following amendments and remarks.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks** begin on page 7 of this paper.

**Replacement sheets** of formal drawings accompany this submission.